



# Temperature compensated chip attenuators

P \* V series

## Features

- For simplifying temperature drift compensation of GaAs high frequency amplifiers
- Excellent high frequency characteristics

## Applications

- Base station and others



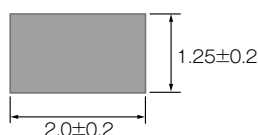
\* Except for Chinese RoHS

## Specifications

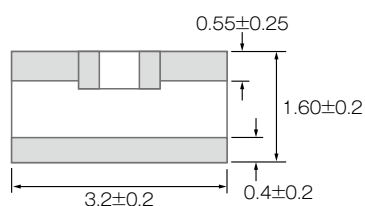
\* All made to order.

### Dimensions

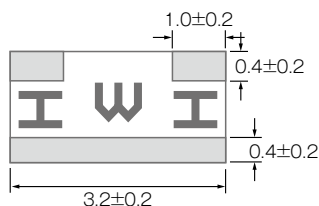
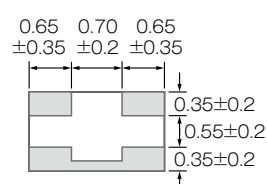
PXV1220S



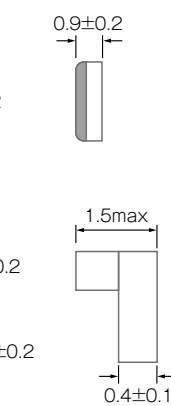
PBV1632S



Front side

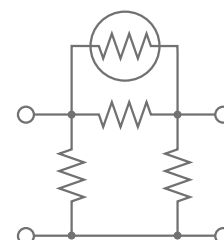


Back side



(unit:mm)

### Equivalent circuits



### Electrical characteristics

| Series name                            | PXV1220S (0805)                      | PBV1632S (1206)                                                                  |
|----------------------------------------|--------------------------------------|----------------------------------------------------------------------------------|
| Attenuation                            | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10dB      | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 16dB                                              |
| Attenuation tolerance                  | ±0.5dB (@25°C, no load)              |                                                                                  |
| Impedance                              | 50Ω                                  |                                                                                  |
| VSWR                                   | 1.3max.                              |                                                                                  |
| Temperature coefficient of attenuation | N1 ~ N8<br>(1 ~ 3dB : N1 ~ N9)       | N5 0.0041dB/dB*°C<br>N6 0.0035dB/dB*°C<br>N7 0.0026dB/dB*°C<br>N8 0.0019dB/dB*°C |
| Operating frequency                    | DC ~ 3GHz                            |                                                                                  |
| Rated power                            | 63mW                                 | 100mW                                                                            |
| Operating temperature                  | -40°C ~ +100°C                       |                                                                                  |
| Packaging                              | 100pcs/bag 200pcs/reel 1,000pcs/reel | min.20pcs/bag 1,000pcs/reel                                                      |

· Refer to the data book for details.

### Part numbering system

PXV 1220S - 6dB N1 - T

Packaging (T02=200, T1=1,000, B=Bulk)  
Temperature coefficient of attenuation  
Attenuation  
Size  
Product code

High frequency surface mount components

P \* V series